USGS
science for a changing world

NWIS Web Services Snapshot Tool: Installation Guide

United States Geological Survey
Austin, Texas
June 4, 2012

Contributors

Sally Holl (primary contact: *sholl@usgs.gov*), Joseph Vrabel, David Maltby, David McCulloch, Brian Reece, Florence Thompson, Michael Canova, and Christy-Ann Archuleta.

Acknowledgements

Suggested Citation

Holl, Sally, 2011, U.S. Geological Survey Community for Data Integration—NWIS Web Services Snapshot Tool for ArcGIS: U.S. Geological Survey Fact Sheet 2011–3141, 2 p., *http://pubs.usgs.gov/fs/2011/3141/*.

Software User Rights Notice

The software user rights notice is available at *http://water.usgs.gov/software/help/notice/*.

Table of Contents

Table of Figures

Computer and Skill Requirements

To install the NWIS Web Services Snapshot Add-In, the computer must meet the following requirements:

- Microsoft .NET Framework version 3.5

- ESRI ArcMap 10.0

- An Internet connection

- Basic familiarity with the National Water Information System (NWIS), Microsoft Windows, and the ArcGIS 10.0 environments.
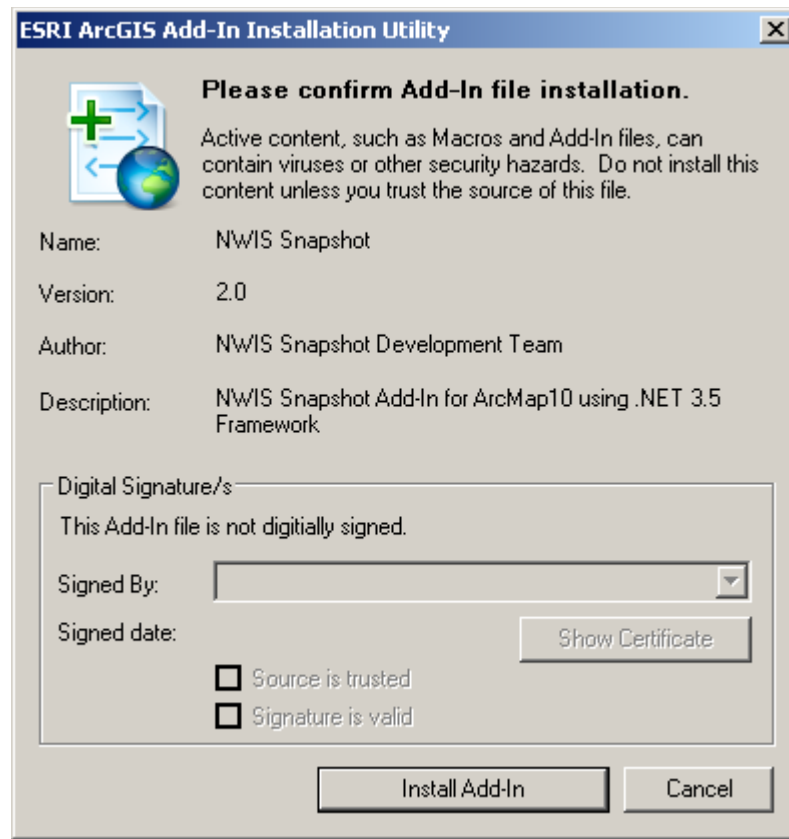
Installation

Installation of the NWIS Web Services Snapshot Tool requires both toolbar installation and ArcMap document set-up.

Toolbar installation

- Close **ArcMap 10** if it is open.

- Download and unzip the installation files from *http://txpub.usgs.gov/snapshot*

- In the installation directory, double-click the **Snapshot.esriAddin** file.

- An **ESRI ArcGIS Add-In Installation Utility** window should appear (Figure 1). Click **Install Add-In**.

Figure 1. ESRI ArcGIS Add-In Installation Utility window.

- Click **OK** in the **Installation succeeded** message box.

- Launch ArcMap 10.0.

- The Snapshot icon (Figure 2) may already appear somewhere in the ArcMap interface. If not, in the ArcMap **Customize** menu, select **Toolbars**. Select **NWIS Snapshot** from the list of Toolbars (Figure 3).

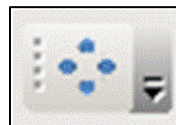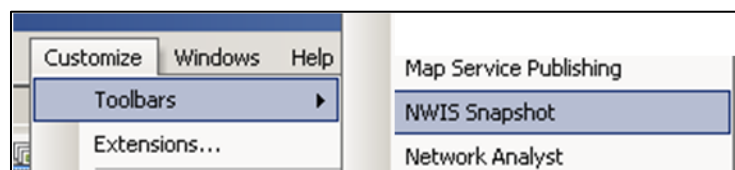Figure 2. The NWIS Web Services Snapshot toolbar.

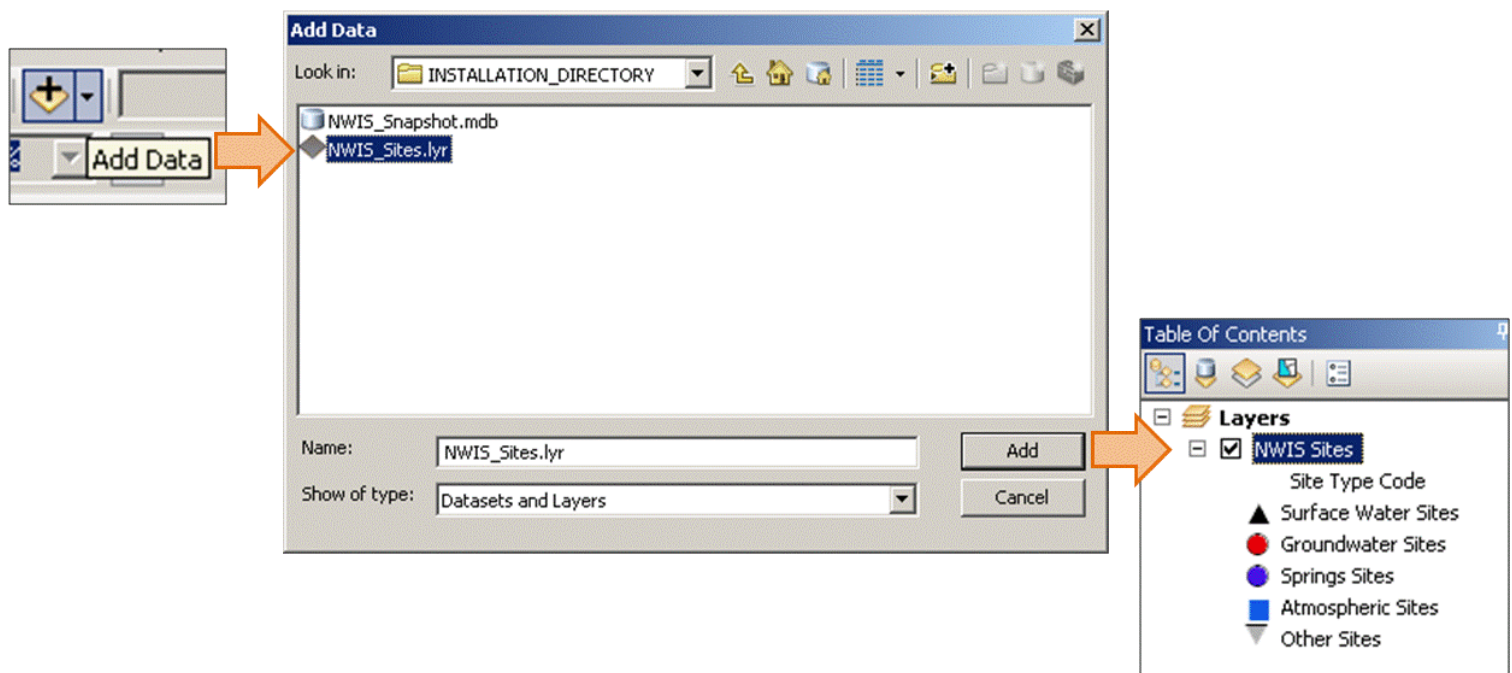Figure 3. Select NWIS Snapshot from the list of toolbars.

- Check to see that the Snapshot icon (Figure 2) is now visible.

Congratulations! You have successfully installed the NWIS Snapshot Add-In toolbar. You will launch the add-in using this toolbar after you have added the NWIS Sites layer file and basemap layers to the ArcMap document, as described in the next steps.
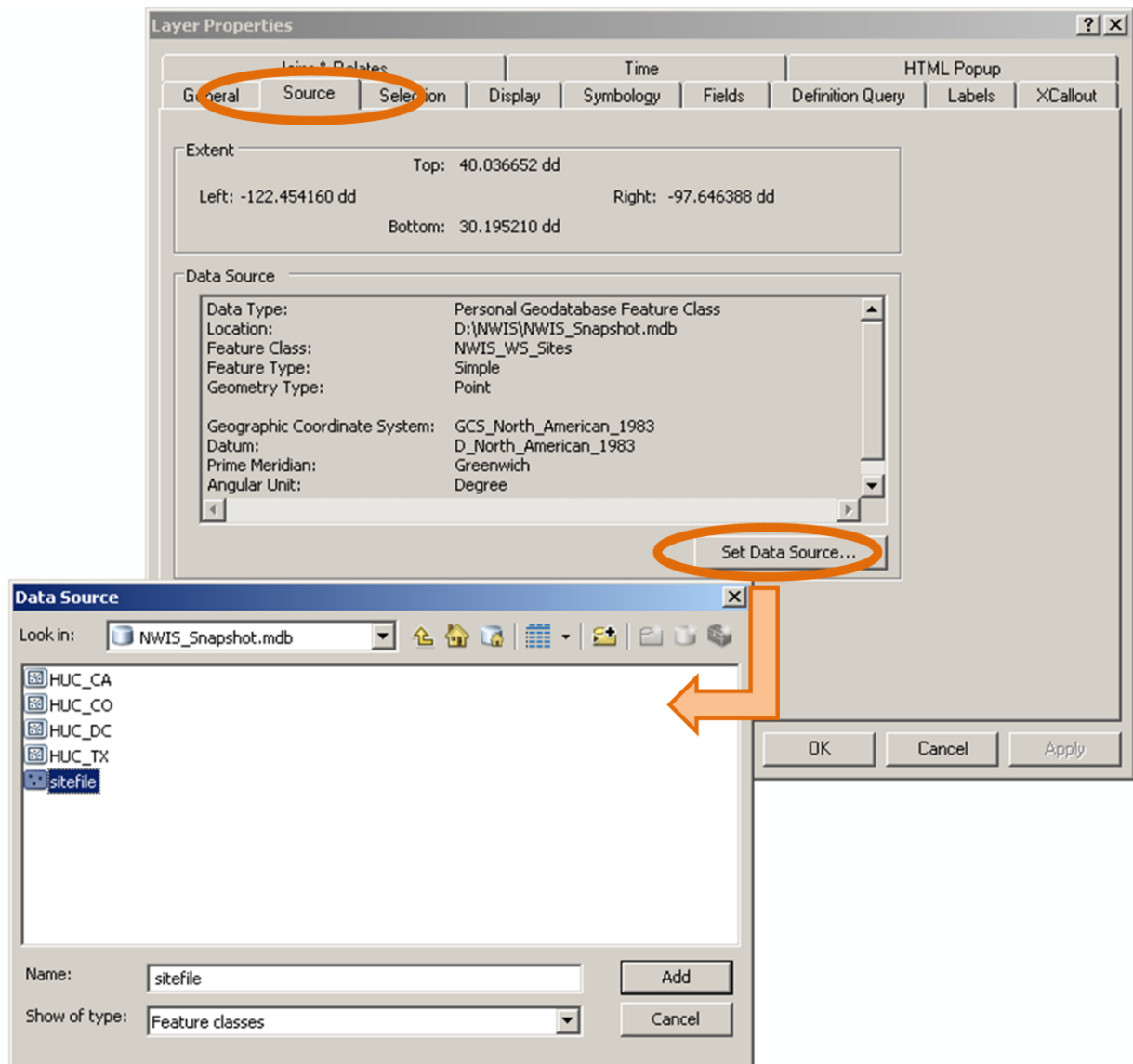
ArcMap document set-up

- Open a new or existing ArcMap document.

- Add the **NWIS_Sites.lyr** from the Snapshot installation directory (Figure 4).

Figure 4. Add the NWIS_Sites.lyr file from the installation directory to the ArcMap document.

- Define the data source for the NWIS_Sites.lyr (Figure 5). To do this:

  o Right-click on the **NWIS Sites** layer in the ArcMap Table of Contents and select **Properties**.

  o In the **Source** tab of the Layer Properties window, select **Set Data Source**…

  o Navigate to the installation directory and **sitefile** in **NWIS_Snapshot.mdb** personal geodatabase. Click **Add**.

  o After the Data Source window closes, click the **Apply** button and then **OK** in the Source tab.

Congratulations, you have successfully added the NWIS sites layer and linked it with the sitefile feature class in the Snapshot geodatabase. You are now ready to start using the Snapshot Tool to retrieve data from NWIS Web Services.